Requirements Chunking Exercise for Planning

Reference Materials

- Original Working List of Requirements

Somewhat Logical Chunking of Requirements

Core Scheme Data Model

Requirement ID	Requirement Description
REG_0100	The registry shall support the storage of identity information.
REG_0110	The registry shall support the storage of the partial (MM/DD) and/or full (MM/DD/YYYY) date of birth for a person.
REG_0120	The registry shall have a unique identifier (non-SSN) for each person in its data store.
REG_0130	The registry shall support the storage of a person's gender.
REG_0140	The registry shall have the ability to storage multiple net ids for a person.
REG_0150	The registry shall have an indicator as to which is the primary net id for a person.
REG_0160	The registry shall store a person's first, middle (optional), last name and suffix (optional).
REG_0170	The registry shall maintain a history of a person's name changes.
REG_0180	The registry shall store a type associated with each person's name (for example, legal name). - Does this imply that multiple name types can be stored? (Legal / Preferred etc.)
REG_0185	The registry shall have the capability to store multiple name types for a person. Examples include: legal name, preferred name
REG_0190	The registry shall support the storage of multiple addresses for a person, indicated by a type (for example, employee home address).
REG_0200	The registry shall store for an address, the following information: street address (multiple), city, state, postal code, country, campus location and source.
REG_0210	The registry shall store for a person's name an flag to indicator whether a first name is unknown (FNU) and/or a last name is unknown (LNU).
REG_0220	The registry shall support the storage of multiple telephone numbers, indicated by a type (for example employee office telephone number).
REG_0230	The registry shall store for a telephone number the following information: area/country code, phone number, extension (optional) and source.
REG_0240	The registry shall support the storage of a person's email address(s) and their respective type.
REG_0250	The registry shall maintain a history of all of a person's address changes.
REG_0260	The registry shall maintain a history of all of a person's telephone number changes.
REG_0270	The registry shall maintain a history of all of a person's email address changes.
REG_0280	The registry shall support the storage of information about all of the credentials a person holds (for example: kerberos principal, secure id token serial number, PKI, ...).
REG_0320	The registry shall support the storage of identity card information.
REG_0350	The registry shall provide a comments facility to be used for authorized personnel (Security) to record information about person's identity.
REG_0380	The registry shall maintain a single namespace for person identifiers and network ids.
REG_0390	The registry shall support the storage of common HR and student information, like title, status and department.
REG_0400	The registry shall support the storage of international forms of user information.
REG_0410	The registry shall support the storage of organization-specific attributes.
REG_0490	The Registry shall support a core set of information that is maintained about each person (eg name(s), DOB, citizenship, etc).
REG_0520	The Registry shall come with scheme sets that could be used with different models of Person Registry (eg thin, medium, fat).

Search and Match

Requirement ID	Requirement Description
REG_0008	The Identity Merge facility shall use a fuzzy logic searching capability for matching purposes.

Merge Tools

Requirement ID	Requirement Description
REG_0001	The Identity Merge facility shall provide the ability to link unique identity records within the registry identifying one as the primary.
REG_0002	The Identity Merge facility shall maintain for historical purposes the non-primary registry entries. These entries shall not be available for further use (other than historical reporting) in subscribing systems.
REG_0003	The Identity Merge facility shall provide the ability to merge identity data to a "primary" registry entry through either an automated process or a user controlled process (eg. system identifies records to merge, shows user relevant data, user decides interactively what to accept etc.)
REG_0004	The Identity Merge facility shall provide notifications to subscribing systems of the merged identities
REG_0005	The Identity Merge facility shall provide for the creation of business rules for the automated merging of registry data elements. (eg. defining the authoritative source by attribute when duplicates are identified)
REG_0006	The Identity Merge facility shall be integrated with the Access Management Module to allow for assessing and potentially merging role and access data when duplicate identities are identified and merged.

Provisioning

Requirement ID	Requirement Description
REG_0007	The Identity Merge facility shall be integrated with the Provisioning Module to allow for the potential deactivation of duplicate accounts.

Affiliations

Requirement ID	Requirement Description
REG_0290	The registry shall support the storage of all a person's affiliations. (Should we add something here distinguishing between affiliations vs. roles per the email discussion)
REG_0330	The registry shall either store an indicator or have a calculation to determine a person's primary affiliation.
REG_0340	The registry shall support the mapping of its affiliations to the eduPerson attributes.
REG_0420	The Registry shall support the ability to associate a START DATE with each Affiliation type.
REG_0430	The Registry shall support the ability to define different life cycle processes for removing an Affiliation type (eg staff accounts are disabled immediately; faculty retain their accounts for six months but with reduced services).
REG_0440	The registry shall support the ability to associate an END DATE with each Affiliation Type.
REG_0450	The Registry shall support a LIFE CYCLE model. Each user is in a specific state; incoming events MAY trigger a transition to a new state; entering a new state MAY trigger sending events. Each of these transitions MAY be associated with a different Business Process.
REG_0460	The Registry shall support having unique LIFE CYCLE models for each Affiliation type (eg staff accounts are closed immediately on separation; faculty permissions are trimmed on separation but accounts are closed six months after separation).
REG_0470	The Registry shall support allowing a site to manage the Rules that define the transitions within a LIFE CYCLE.
REG_0480	The Registry shall support optionally sending events whenever a user's attributes or Affiliation types changes.
REG_0500	The Registry shall optionally support, for each Affiliation type, a scheme that defines the set of information and attributes that will be maintained for this Affiliation type for each user (eg staff have titles and office locations, students do not)
REG_0510	It shall be easy for sites to modify and extend the schema associated with an Affiliation type (both the data definition step, and adding code to do specialized processing).

Profiles

Requirement ID	Requirement Description

Levels of Assurance

Requirement ID	Requirement Description
REG_0300	The registry shall support the storage of a person's Identity Assurance Profiles.
REG_0310	The registry shall store information related to an identity proofing event.
MAN_0170	The registry shall provide services to add, update, and archive Identity Assurance information for a person.

APIs & Services

Requirement ID	Requirement Description
MAN_0110	The registry shall provide services to add, update, and archive persons.
MAN_0120	The registry shall provide services to add, update, and archive address information for a person.
MAN_0130	The registry shall provide services to add, update, and archive name information for a person.
MAN_0140	The registry shall provide services to add, update, and archive telephone number information for a person.
MAN_0150	The registry shall provide services to add, update, and archive net id information for a person.
MAN_0160	The registry shall provide services to add, update, and archive credential information for a person.
MAN_0180	The registry shall provide services to add, update, and archive affiliation information for a person.
MAN_0220	The Registry shall provide a means of purging categories of entries (eg Applicants) or via expiration
MAN_0190	The registry shall provide services that are either SOAP and/or REST-based.

Batch/Sync Services

Requirement ID	Requirement Description
ES_0140	The registry shall have rules for cleansing and standardizing data before its entered into the data repository.
MAN_0210	The registry shall provide a flexible batch-file interface for importing and extraction of data, including support for fixed column, CSV, XML, .xls, and other formats.

User Interfaces & Reporting

Requirement ID	Requirement Description
REG_0360	The registry shall have complete auditing of information in its registry
REG_0370	The registry shall provide a facility by which authorized personnel can obtain a read-only view of portions of its data.
REG_0530	The Registry shall provide the ability to have people review and approve changes and transitions via a Workflow mechanism.
MAN_0100	The registry shall provide interfaces for authorized registry authorities to manage information in its data store.
MAN_0200	The registry shall provide a web-based front-end to the data contained in its registry for authorized personnel.
MAN_0230	The registry shall provide a configurable means by which changes can be (optionally) reviewed and approved
ES_0100	The registry shall support the notification of data changes to entities either using publish/subscribe or point to point communications.
ES_0110	The registry shall support auditing of all actions for a person record.
ES_0120	The registry shall support data reporting of registry data for authorized personnel.
ES_0130	The registry shall notify end-users via email x days prior to the expiration of their services.

Documentation

Requirement ID	Requirement Description

Samples and Examples

Requirement ID	Requirement Description